

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE INITIAL INSTALLATION OF TRAFFIC SIGNALS WITH VIDEO DETECTION FOR THIS PHASE OF MAINTENANCE OF WORK AT THE INTERSECTION OF MD 450 AT CARTER AVENUE IN PRINCE GEORGE'S COUNTY. MD 450 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA-TWO-PHASE, FULLY ACTUATED MODE.

SPECIAL NOTE

ALL UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE BECAUSE THESE UTILITIES MAY BE MODIFIED PRIOR TO AND DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IMMEDIATELY.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

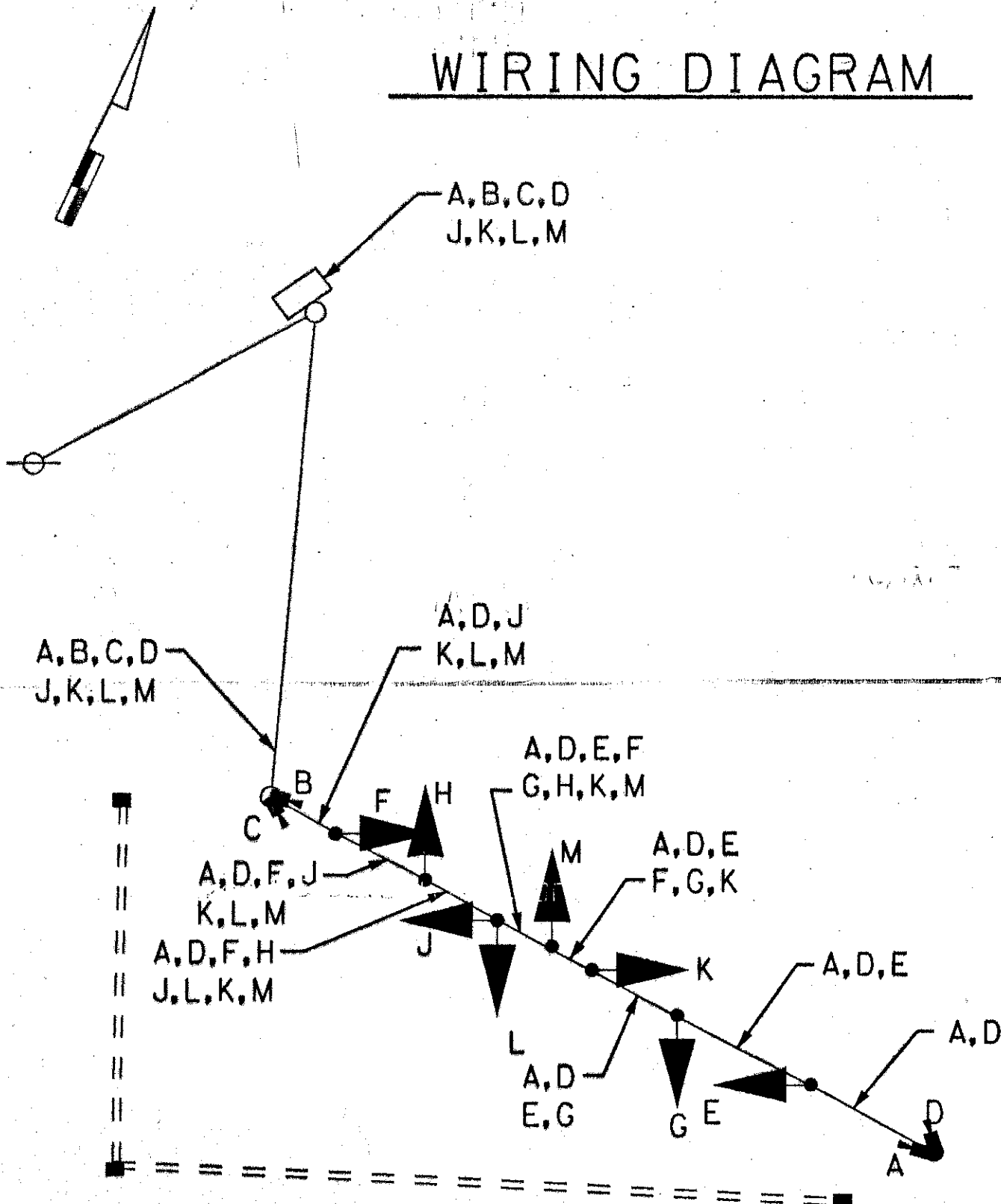
CAT CODE NUMBER	SPEC. SECTION	QUANTITY	DESCRIPTION
973023	813	16 S.F	SHEET ALUMINUM SIGN TO CONSIST OF: -2 EA. D3-2 (16 IN. X VAR.)-SPAN MOUNT

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

CAT CODE NUMBER	SPEC. SECTION	QUANTITY	DESCRIPTION
585620	556	150 L.F.	12 IN. HEAT APPLIED THERMOPLASTIC WHITE PAVEMENT MARKING
585624	556	150 L.F.	24 IN. HEAT APPLIED THERMOPLASTIC WHITE PAVEMENT MARKING
805118	805	65 L.F.	4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT-BORED
805155	805	108 L.F.	4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT-SLOTTED
811001	811	3 EA.	ELECTRICAL HANDHOLE
813015	813	16 S.F.	INSTALL OVERHEAD SIGN
816001	805	4 EA.	VIDEO DETECTION CAMERA
816010	805	4 EA.	VIDEO DETECTOR 500 FT. CABLE
860272	814	24 EA.	12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
861107	810	190 L.F.	ELECTRICAL CABLE 5-CONDUCTOR (NO. 14 AWG)
861108	810	745 L.F.	ELECTRICAL CABLE 7-CONDUCTOR (NO. 14 AWG)
869101	819	220 L.F.	3/8 IN. STEEL SPAN WIRE
869102	819	220 L.F.	1/4 IN. STEEL TETHER WIRE
800000	818	1 EA.	40 FT. CLASS II WOOD STRAIN POLE WITH TWO BACK GUYS
800000	XXX	1 L.S.	REMOVE AND DISPOSE OF EXISTING EQUIPMENT

WIRING DIAGRAM



- A,B
C,D VIDEO TRAFFIC DETECTOR CABLE
- E,F
G,H ELECTRICAL CABLE 5-CONDUCTOR
(NO. 14 AWG)
- J,K
L,M ELECTRICAL CABLE 7-CONDUCTOR
(NO. 14 AWG)

PHASE CHART

1	2	3	4	5	6	7	8	9	10	11
R	R	R	R	R	R	R	R	R	R	R
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
G	G	G	G	G	G	G	G	G	G	G

PHASE 2+6	G	G	G	G	R	R	R	R	R	DW	DW	
2+6 CHANGE	G	G	G	G	R	R	R	R	R	DW	DW	
PHASE 4+8	R	R	R	R	G	G	G	G	G	WK	WK	
4+8 CHANGE	R	R	R	R	G	G	G	G	G	FL/DW/FL/DW	FL/DW/FL/DW	
FLASHING OPERATION	FL	FL	FL	FL	FL	FL	FL	FL	FL	DARK	DARK	

EQUIPMENT LIST "C"

C. ALL REMOVED SIGNAL MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR.



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION SHEET
MD 450 WHITFIELD CHAPEL ROAD TO SEABROOK ROAD
MD 450 AT CARTER AVENUE - PHASE II

DRAWN BY: MB	F.A.P. NO. SEE TITLE SHEET	TS NO. TS-1818B-PH2B	SHEET NO.
CHECKED BY: PDU	S.H.A. NO. PG9005471	T.I.M.S. NO. C 974	135 OF
SCALE: NONE	COUNTY: PRINCE GEORGE'S		
DATE: JANUARY 2002	LOG MILE:		

THE WILSON T. BALLARD CO.
CONSULTING ENGINEERS
OWINGS MILLS, MARYLAND